



Sechrist Monoplace Hyperbaric Chambers 4100H/HR - *Largest Monoplace Chamber*

FEATURE OVERVIEW



First In Patient Comfort

- The Sechrist model 3300H/HR hyperbaric chambers provide the ability for the patient to rest in a reclined or angled position making patients comfortable and anxiety free.
- A fully integrated entertainment system allows the patient to watch television and movies and listen to their favorite music on their MP3 player. All Sechrist monoplace hyperbaric chambers are equipped with dual speakers to provide optimal listening pleasure.
- Patients up to 500 lbs are comfortably treated and bariatric patients up to 700 lbs can be accommodated comfortably with upgraded rails.
- The chamber hydraulic gurney provides for easy loading of the patient into the chamber without additional transfers.

Assuring Safety

- Sechrist provides the only monoplace hyperbaric systems with two emergency vent modes. This unique safety feature allows for maximum flexibility and reaction time to accommodate various emergency situations.
- The Standard Emergency Vent system decompresses within 119 seconds. The hyperbaric technician monitors and controls the descent to optimize patient comfort.
- An Emergency Shut-off and Automatic Vent system allows decompression within 119 seconds without the need for the hyperbaric staff to attend, monitor and control the emergency ascent providing flexibility in the case of an extreme emergency.

Oxygen administered under increased atmospheric pressure is a powerful modality and must be administered with care and precision. That is why Sechrist controls every step of design, engineering, manufacture and service of its monoplace hyperbaric chambers – including the acrylic pressure chamber – to assure an unmatched level of quality, performance, safety and patient comfort. Sechrist can also customize the chamber to any healthcare facility – even including a choice of colors.



Increasing Efficiency

- Sechrist chambers are all equipped with the necessary monitors and controls to accept electronic data collection modules.
- Precision controls and display allow for easy viewing and adjustment by the technician.
- The easily accessible ventilation control allows for adjustment of the gas flow through the chamber to allow for Oxygen Conservation. The adjustment of gas flow to the chamber is easily achieved through the convenient and accessible ventilation control on the front panel.

Supporting Critical Care

- Sechrist chambers provide for respiratory support that automatically compensates for the pressure changes in the chamber using the only hyperbaric ventilator – designed and manufactured by Sechrist.
- Chambers also accommodate:
 - Multiple intravenous transfusion lines
 - Electrical monitoring including EKG, temperature and blood pressure
 - Transcutaneous oxygen monitoring
 - Patient air-break breathing system



Sechrist Monoplace Hyperbaric Chambers

4100H/HR-SERIES CHAMBER SPECIFICATIONS

Codes And Standards

Sechrist Industries' design, manufacturing services and installation systems are certified to ISO 13485 Quality Assurance Standard for Medical Devices. In addition, Sechrist's monoplace hyperbaric chambers are designed, fabricated, assembled, tested, and installed in accordance with the following codes and standards, current editions:

- ASME PVHO-1, Safety Standards for Pressure Vessels for Human Occupancy
- ASME Boiler and Pressure Vessel Codes, Section VIII, Division I, Pressure Vessels
- NFPA 99 Health Care Facilities
- Registered with the National Board of Boiler and Pressure Vessel Inspectors
- U.S. FDA Requirement, 21 Code of Federal Regulations, Part 820
- ISO 13485: 2003 Quality Assurance Standard for Medical Devices
- CMDCAS – Canadian Medical Conformity Assessment System
- CAN/CSA Std. 22.2, No. 601.1
- IEC 60601-1



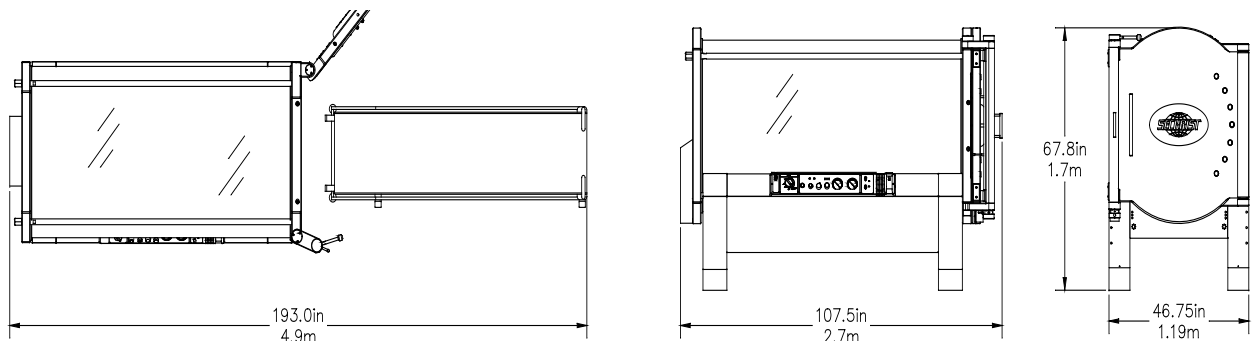
TECHNICAL SPECIFICATIONS FOR MODEL 4100H/HR

TECHNICAL SPECIFICATIONS FOR MODEL 4100H/HR	
	Model 4100H
Internal Diameter	41.00 in (104 cm)
Internal Length	90 in (226 cm)
External Length	107 in (273 cm)
External Height	67.75 in (172 cm)
External Width	46.75 in
Chamber Weight	3,500 lbs (1591 kg)
Supported Patient Weight	700 lbs standard (318 kg)

TECHNICAL SPECIFICATIONS ALL MODELS

Maximum Operating Pressure	30.0 pounds per square inch gauge (psig) 3.0 atmospheres absolute (ATA) 2.1 kilograms per centimeter squared (kg/cm ²) 206.9 kilopascal (kPa)
Operating Temperature Range	50° - 100° F (10° - 38° C)
Operating Humidity Range	30 to 90% at 77° F (25° C)
Supply Pressure	50.0 to 70.0 psi (3.5 to 4.9 kg/cm ² , 344.8 to 482.7 kPa)
Purge Rate	80 to 400 liters per minute (lpm) (with the chamber pressure set at 15 psi)
Emergency Vent Rate	30 psig to 0 psig in 119 seconds max
Relief Valves	4100H/HR: Two, set at 36.00 psi (2.5 kg/cm ² ; 241.30 kPa)
Allowable Storage and Transportation Environmental Conditions:	Temperature: 32° to 113° F (0° TO 45° C) Atmospheric Pressure: 7.3 TO 15.4 PSI (500 TO 1060 HPA) Relative Humidity: 10 TO 100% including condensation

SECHRIST MODEL 4100H/HR



THE WORLD LEADER IN HYPERBARIC TECHNOLOGY & MEDICINE